Date: Thu, 05 Sep 2002 09:30:19 -0700
From: Sung-Yung Lee <Sung-Yung.Lee@jpl.nasa.gov>
Subject: Re: Request for Approval
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(SEE ABSTRACT BELOW FOR APPROVAL)

Document Review Services (DRS) received a request to clear for external release the abstract entitled "VENDAVAL - Visual Environment for Data Validation" by J. Hall for presentation at the AGU Fall Meeting, located at San Francisco, California, held in December 2002.

DRS requires management confirmation of the technical accuracy of the content and approval of the end use before a clearance for external release can be issued. To satisfy these requirements, please let me know by return email if you concur with the content and purpose of the paper as stated above.
Thank you for your time.

Linda Worrel
Document Review Services

Acting for Mike Gunson who is on vacation, and after discussion with Erik Fetzer, I concur with with the content and purpose of the paper.

Jeffrey.R.Hall@jpl.nasa.gov
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VENDAVAL - Visual Environment For Data Validation
Jeffrey R. Hall and Charles K. Thompson, JPL
Atmospheric InfraRed Sounder (AIRS) data validation and analysis at JPL are supported in part by the Vendaval "Visual Environment for Data Validation" tool. Vendaval is written in IDL and is portable across computing platforms supported by Research Systems Inc. Vendaval is designed to ingest parallel data streams from multiple instruments for intercomparison, the detection of anomalies and the study of multiple products at full spatial and spectral resolution. Data support is based on data object models that supply data to Vendaval in a consistent manner. Currently supported data include the AIRS products in HDF-EOS swath format, radiosondes in HDF and limited support for MISR. Vendaval allows data selection by natural data groupings such as granules, scansets or footprints. Additional data selection criteria (specific products, parameters, or dimension subsetting) is also supported. The Vendaval analysis tools are an

expandable set of plug-ins. These include feature-rich interactive tools for viewing AIRS data granules, multivariate scatterplotting, and single footprint analyses via customized plots and data tables. Radiance products currently supported are AIRS infrared and Vis/NIR radiances plus AMSU and HSB microwave radiances. Retrieved products supported are cloud-cleared infrared radiances and two file types containing retrieved geophysical quantities. Also supported are special files containing all products matched to locations of in situ observations, and operational radiosondes. The research described in this publication was carried out at the Jet Propulsion Laboratory, California Institute of Technology, under a contract with the National Aeronautics and Space Administration.

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